

**Notice of Allowability**

Application No.

10/035,574

Examiner

Sudhanshu C. Pathak

Applicant(s)

ANDERS ET AL.

Art Unit

2611

**-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address--**

All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance (PTOL-85) or other appropriate communication will be mailed in due course. **THIS NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS.** This application is subject to withdrawal from issue at the initiative of the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308.

1. ☒ This communication is responsive to July 12<sup>th</sup>, 2006.
2. ☒ The allowed claim(s) is/are Claims 21-40 and re-numbered as claims 1-20 respectively.
3. ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).  
a) ☐ All b) ☐ Some\* c) ☐ None of the:  
1. ☐ Certified copies of the priority documents have been received.  
2. ☐ Certified copies of the priority documents have been received in Application No. \_\_\_\_\_.  
3. ☐ Copies of the certified copies of the priority documents have been received in this national stage application from the International Bureau (PCT Rule 17.2(a)).

\* Certified copies not received: \_\_\_\_\_.

Applicant has THREE MONTHS FROM THE "MAILING DATE" of this communication to file a reply complying with the requirements noted below. Failure to timely comply will result in ABANDONMENT of this application.

**THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.**

4. ☐ A SUBSTITUTE OATH OR DECLARATION must be submitted. Note the attached EXAMINER'S AMENDMENT or NOTICE OF INFORMAL PATENT APPLICATION (PTO-152) which gives reason(s) why the oath or declaration is deficient.
5. ☐ CORRECTED DRAWINGS ( as "replacement sheets" ) must be submitted.  
(a) ☐ including changes required by the Notice of Draftsperson's Patent Drawing Review ( PTO-948 ) attached  
1) ☐ hereto or 2) ☐ to Paper No./Mail Date \_\_\_\_\_.  
(b) ☐ including changes required by the attached Examiner's Amendment / Comment or in the Office action of Paper No./Mail Date \_\_\_\_\_.
- Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the front (not the back) of each sheet. Replacement sheet(s) should be labeled as such in the header according to 37 CFR 1.121(d).
6. ☐ DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL.

**Attachment(s)**

- |  |   |
|--|---|
| 1. <input type="checkbox"/> Notice of References Cited (PTO-892)   | 5. <input type="checkbox"/> Notice of Informal Patent Application (PTO-152)                       |
| 2. <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948)   | 6. <input checked="" type="checkbox"/> Interview Summary (PTO-413),<br>Paper No./Mail Date _____. |
| 3. <input checked="" type="checkbox"/> Information Disclosure Statements (PTO-1449 or PTO/SB/08),<br>Paper No./Mail Date _____ | 7. <input checked="" type="checkbox"/> Examiner's Amendment/Comment                               |
| 4. <input type="checkbox"/> Examiner's Comment Regarding Requirement for Deposit<br>of Biological Material                     | 8. <input checked="" type="checkbox"/> Examiner's Statement of Reasons for Allowance              |
|  | 9. <input checked="" type="checkbox"/> Other <u>Dwg. Correction 8/2/06</u> .                      |

### DETAILED ACTION

1. Claims 21-40 are pending in the application.
2. Claim 1-20 has been canceled.

### EXAMINER'S AMENDMENT

3. An examiner's amendment to the record appears below. Should the changes and/or additions be unacceptable to applicant, an amendment may be filed as provided by 37 CFR 1.312. To ensure consideration of such an amendment, it **MUST** be submitted no later than the payment of the issue fee.

Authorization for this examiner's amendment was given in a telephone interview with Matthew C. Fagan on August 2<sup>nd</sup>, 2006.

In order to more clearly define the patentable invention the claims have been amended as follows:

- In Claim 21, line 2 **replace** "a first domino gate"  
  
**with**  
  
"a first CMOS (Complementary Metal Oxide Semiconductor) domino gate".
- In Claim 21, line 4 **replace** "a second domino gate"  
  
**with**  
  
"a second CMOS (Complementary Metal Oxide Semiconductor) domino gate".
- In Claim 27, line 1 **replace** "the first domino gate"  
  
**with**

"the first CMOS domino gate".

- In Claim 28, line 1 **replace** "the second domino gate"

**with**

"the second CMOS domino gate".

- In Claim 35, line 2 **replace** "a first domino gate"

**with**

"a first CMOS (Complementary Metal Oxide Semiconductor) domino gate".

- In Claim 35, line 4 **replace** "a second domino gate"

**with**

"a second CMOS (Complementary Metal Oxide Semiconductor) domino gate".

- In Claim 38, line 3 **replace** "a first domino gate"

**with**

"a first CMOS (Complementary Metal Oxide Semiconductor) domino gate".

- In Claim 38, line 4 **replace** "a second domino gate"

**with**

"a second CMOS (Complementary Metal Oxide Semiconductor) domino gate".

- In order to provide a better representation of the invention, the "Replacement Sheets" faxed to the examiner have been accepted.

***Allowable Subject Matter***

4. Claims 21-40 are allowed.
5. Claims 21-40 and re-numbered as claims 1-20 respectively are allowable over the prior art of record because the cited references do not contain the specified limitation of an apparatus comprising: a first domino CMOS (Complementary metal oxide semiconductor) gate to control a signal at a first node based on a current input signal at an input node; a second CMOS (Complementary metal oxide semiconductor) domino gate to control a signal at a second node based on a previous input signal at the input node (See Fig. 2, elements 202, 206— feedback to the input of second CMOS domino gate); and circuitry coupled to the first and second nodes to generate an encoded signal in response to a transition between a current input signal at the input node and a previous input signal at the input node.

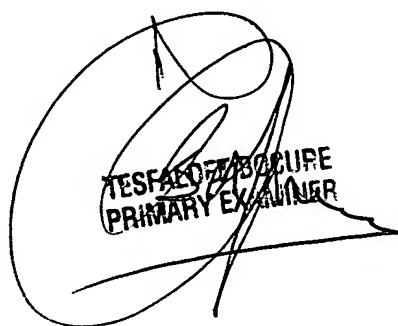
***Conclusion***

6. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Sudhanshu C. Pathak whose telephone number is (571)-272-3038. The examiner can normally be reached on M-F: 9am-6pm.  
If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Chieh M. Fan can be reached on (571)-272-3042.  
The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

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Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

Sudhanshu C. Pathak  
Examiner  
Art Unit 2611

  
TESTED FOR SURE  
PRIMARY EXAMINER

**Docket No.: 42390P11426**

Approved  
08/02/06



## REPLACEMENT SHEET

Title: TRANSITION ENCODED DYNAMIC BUS CIRCUIT

1st Named Inventor: Mark Anders

Application No.: 10/035,574

Docket No.: 42390P11426

Sheet: 1/2

